



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Raymond J. Dattwyler, Gerald Seinost, Daniel Dykhuizen, Benjamin J. Luft and Maria J.C. Gomes-Solecki

Application No.: 09/596,746 Group: 1645

Filed: June 19, 2000 Examiner: R.P. Swartz

Confirmation No.: 3998

For: GROUPS OF *BORRELIA BURGDORFERI* AND *BORRELIA AFZELII* THAT CAUSE LYME DISEASE IN HUMANS

CERTIFICATE OF MAILING OR TRANSMISSION

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as First Class Mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, or is being facsimile transmitted to the United States Patent and Trademark Office on:

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Katie Norris

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Katie Norris

Typed or printed name of person signing certificate

Mail Stop AF
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Transmitted herewith is a Transmittal of Substitute Sequence Listing and Amendment for filing in the above-identified application.

- Small entity status of this application under 37 C.F.R. 1.9 and 1.27 has been established by a Small Entity Statement previously submitted.
- A Small Entity Statement to establish small entity status under 37 C.F.R. 1.9 and 1.27 is enclosed.

The claims fee has been calculated as shown below:

The Application Size Fee has been calculated as shown below:

(Effective for cases filed on or after December 8, 2004)

Actual Sheets (Including current amendment)	Highest No. of Sheets Paid For (At least 100)	No. of Additional Units Required (Increments of 50 sheets)	SMALL ENTITY	OTHER THAN SMALL ENTITY											
			<table border="1"> <thead> <tr> <th data-bbox="724 1043 796 1060">Rate</th><th data-bbox="796 1043 922 1060">Total Amount Owed</th></tr> </thead> <tbody> <tr> <td data-bbox="724 1060 796 1062">X \$125</td><td data-bbox="796 1060 922 1062">\$[]</td></tr> </tbody> </table>	Rate	Total Amount Owed	X \$125	\$[]	<table border="1"> <thead> <tr> <th data-bbox="1002 1043 1073 1060">Rate</th><th data-bbox="1073 1043 1199 1060">Total Amount Owed</th></tr> </thead> <tbody> <tr> <td data-bbox="1002 1060 1073 1062">X \$250</td><td data-bbox="1073 1060 1199 1062">\$[]</td></tr> </tbody> </table>	Rate	Total Amount Owed	X \$250	\$[]	<table border="1"> <thead> <tr> <th data-bbox="1279 1043 1444 1060">Payment Sufficient for up to</th></tr> </thead> <tbody> <tr> <td data-bbox="1279 1060 1444 1062">[] Sheets</td></tr> </tbody> </table>	Payment Sufficient for up to	[] Sheets
Rate	Total Amount Owed														
X \$125	\$[]														
Rate	Total Amount Owed														
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Petition for Extension of Time

[] Applicant hereby petitions to extend the time to respond to the [] dated [] for [] month(s) from [] to []. The appropriate fee is set forth below.

[] [For action-specific language in an extension of time, go to insert, file, public folders, firm templates, and select the appropriate paragraph.]

Please charge Deposit Account No. 08-0380 for the following fees:

<input type="checkbox"/>	Petition for [] month Extension of Time	\$ _____
<input type="checkbox"/>	Claims Fee	\$ _____
<input type="checkbox"/>	Application Size Fee	\$ _____
<input type="checkbox"/>	Other Fees:	\$ _____
		\$ _____
		\$ _____
		TOTAL: \$ <u> 0</u>

A check is enclosed in payment of the following fees:

<input type="checkbox"/>	Petition for [] month Extension of Time	\$ _____
<input type="checkbox"/>	Claims Fee	\$ _____
<input type="checkbox"/>	Application Size Fee	\$ _____
<input type="checkbox"/>	Other Fees:	\$ _____
		\$ _____
		\$ _____
		TOTAL: \$ <u> 0</u>

Please charge any deficiency or credit any overpayment in the fees that may be due in this matter to Deposit Account No. 08-0380. A copy of this letter is enclosed for accounting purposes.

Respectfully submitted,

HAMILTON, BROOK, SMITH & REYNOLDS, P.C.

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Dated: September 23, 2005